

FY 1998 Technology Deployment in Environmental Management

Solutions of the Future at the INEEL

Site Technology Coordination Group
U.S. Department of Energy, Idaho Operations Office



INEEL



Excel Modular Scaffolding at TRA

Problem: Activities requiring scaffolding in a radiation area result in significant exposure to workers. A more efficient method of scaffolding set-up and dismantling is needed.

Baseline Technology: Scaffolding set-up takes an average of two full hours to complete. Dismantling the scaffolding is a similar process.

Innovative Technology: The Excel Modular Scaffolding can be set-up or dismantled in fifteen minutes.

Comparison: Approximately 7 hours is saved for the same activity. Personnel exposure is reduced due to more efficient equipment.

Savings: Approximately 5 person-rem per job
at \$6,500/ person-rem = \$32,500 per job in high radiation areas.

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The Idaho National Engineering and Environmental Laboratory

LOCKHEED MARTIN



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